

Patent Abstracts of Japan

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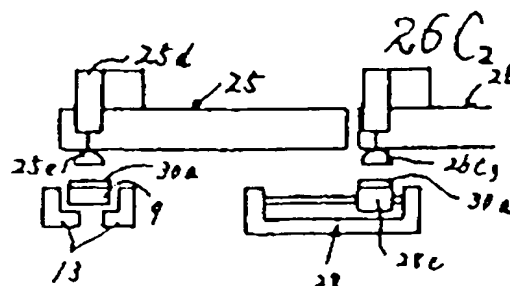
APPLICATION DATE : 13-07-85
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TITLE : AUTOMATIC ASSEMBLY DEVICE



ABSTRACT : PURPOSE: To make it possible to properly feed components arranged on any position and to improve an assembly speed by arranging the next component to be assembled on a fixed position by a component take-out means and intermediate transferring means during assembling of components by a component assembling means.

CONSTITUTION: A component 30a sucked by the vacuum sucking section 25e of an assembly robot 25 is assembled on an assembly jig 9 and also a component 30a sucked by the vacuum sucking section 26C₃ of a component take-out device 26c is placed on a table 28c. When the assembly robot section 25 assembles the components 30a on an assembly jig 9, each of head sections 25d and 26c is returned to an original position and sucks the next components 30a and 30a. The repeat of these movements assembles specified components on the assembly jig 9 in order. The components on a pallet can, therefore, be fed properly improving an assembly speed and productionability.

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